

What is claimed is :

1. A fan for cooling an electronic device, comprising:  
a plurality of blades rotatably supported by an axis;  
an outlet; and  
5 an inlet having a shape started from a reference  
point thereof with respect to the outlet,  
wherein the blades are partially covered by the inlet  
from the reference point, and an area of the blades  
covered by the inlet is from a maximum to a minimum  
10 gradually in a closed loop, thereby increasing a heat  
dissipation capability of the fan.
2. The fan of claim 1, wherein the fan is a centrifugal  
fan.
3. The fan of claim 1, further comprising a housing  
15 form mounting the blades therein wherein the housing  
comprises an inlet on the top and the bottom surface  
thereof and an outlet at a side.
4. The fan of claim 2, wherein the inlet is concentric  
with respect to the housing
- 20 5. The fan of claim 2, wherein the inlet is eccentric  
with respect to the housing.
6. The fan of claim 1, wherein the inlet has a volute  
shape.
7. The fan of claim 1, wherein the blades have the  
25 same shape and the blades are equally spaced around

the axis.

8.The fan of claim 1, wherein an area of the blades covered by the inlet is calculated from outside of the blades to the axis of the blades.

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